

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>TP 1458 WO</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/SE 2003/001819</b>	International filing date (day/month/year) <b>24 November 2003</b>	(Earliest) Priority Date (day/month/year) <b>13 December 2002</b>

Applicant

**Tetra Laval Holdings & Finance S.A. et al**

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (see Box No. II)

3.  Unity of invention is lacking (see Box No. III)

## 4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001819

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: B31B 1/26, B65B 7/08, B65D 5/40, B65D 75/26, B65D 85/72, B65D 5/08**  
 According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: B31B, B65B, B65D**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**WPI, PAJ, FULLTEXT, INSPEC, EPOQUE**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6385950 B1 (PAUL ANDERSON), 14 May 2002 (14.05.2002), column 2, line 16 - column 3, line 38, figures 1-15  --	1-33
A	US 6094884 A (CHARLES CHRISTENSEN ET AL), 1 August 2000 (01.08.2000), column 2, line 7 - line 43, figures 1-17  --	1-33
A	US 4702410 A (JACKIE DERVING), 27 October 1987 (27.10.1987), column 2, line 46 - column 3, line 25, figures 1-6  --	1-33

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

15 March 2004

Date of mailing of the international search report

17-03-2004

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001819

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5533666 A (ARTHUR H. CROMWELL), 9 July 1996 (09.07.1996), column 1, line 58 - column 2, line 56, figures 1-13 --	1-33
A	US 5628450 A (ARTHUR H. CROMWELL ET AL), 13 May 1997 (13.05.1997), column 1, line 61 - column 2, line 58, figures 1-17 --	1-33
A	US 5439166 A (HEINZ FOCKE), 8 August 1995 (08.08.1995), column 1, line 30 - line 62, figures 1-7 -- -----	1-33

## INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

PCT/SE 2003/001819

US	6385950	B1	14/05/2002	NONE		
US	6094884	A	01/08/2000	AU	745817 B AU 1100099 A CA 2317715 A EP 1064146 A NO 20003392 A RU 2200665 C WO 9950054 A AU 733510 B AU 1100999 A AU 8941698 A BR 9814089 A CA 2308583 A EP 0999983 A JP 2002511363 T NO 20001968 A RU 2187447 C US 5845840 A US 5988490 A US 6027015 A WO 9920536 A	11/04/2002 18/10/1999 07/10/1999 03/01/2001 04/08/2000 20/03/2003 07/10/1999 17/05/2001 10/05/1999 13/05/1999 03/10/2000 29/04/1999 17/05/2000 16/04/2002 14/04/2000 20/08/2002 08/12/1998 23/11/1999 22/02/2000 29/04/1999
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US	5628450	A	13/05/1997	US	5533666 A US 5624368 A	09/07/1996 29/04/1997

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PCT/SE 2003/001819

27/02/2004

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			EP	0615919 A,B	21/09/1994
			ES	2094575 T	16/01/1997
			JP	3143560 B	07/03/2001
			JP	6315444 A	15/11/1994